

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP2005/011091

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 C30B9/00 C30B29/40

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/035945 A (AMMONO SP. ZO.O; NICHIA CORPORATION; DWILINSKI, ROBERT; DORADZINSKI, R) 1 May 2003 (2003-05-01) cited in the application the whole document	1-17
Y	SONG Y ET AL: "Bulk GaN single crystals: growth conditions by flux method" JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND, AMSTERDAM, NL, vol. 247, no. 3-4, January 2003 (2003-01), pages 275-278, XP004398155 ISSN: 0022-0248 cited in the application the whole document	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

22 September 2005

29/09/2005

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PCT/JP2005/011091

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/101120 A (AMMONO LTD; NICHIA CORPORATION; DWILINSKI, ROBERT, TOMASZ; DORADZINSKI) 19 December 2002 (2002-12-19) cited in the application the whole document	1-17

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/JP2005/011091

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03035945	A	01-05-2003	CA 2464083 A1 CN 1575357 A EP 1442162 A2 HU 0401882 A2 JP 2005506271 T US 2004261692 A1	01-05-2003 02-02-2005 04-08-2004 28-12-2004 03-03-2005 30-12-2004
WO 02101120	A	19-12-2002	AU 2002328130 A2 CA 2449714 A1 CN 1463309 A CN 1526037 A CZ 20033564 A3 EP 1432853 A2 HU 0401866 A2 WO 02101126 A1 JP 2003040699 A JP 2004533391 T JP 2004168656 A TW 569471 B TW 546272 B TW 588016 B US 2002192507 A1 US 2002189531 A1 US 2004139912 A1 US 2004255840 A1	23-12-2002 19-12-2002 24-12-2003 01-09-2004 16-06-2004 30-06-2004 28-12-2004 19-12-2002 13-02-2003 04-11-2004 17-06-2004 01-01-2004 11-08-2003 21-05-2004 19-12-2002 19-12-2002 22-07-2004 23-12-2004